

## ABSTRACT

The present invention relates to the three dimensional structure of ZAP-70 protein tyrosine kinase and describes methods of making a crystal of ZAP-70 and purification of the catalytic domain of ZAP-70 for use in crystallization. The invention also relates to the use of the three dimensional structure of the catalytic domain of ZAP-70 for identifying and designing ligands which inhibit the biological function of ZAP-70.